

Title (en)
MANGANESE-ALUMINUM-PHOSPHORUS-SILICON-OXIDE MOLECULAR SIEVES

Publication
EP 0161490 B1 19880525 (EN)

Application
EP 85104390 A 19850411

Priority
US 60017584 A 19840413

Abstract (en)
[origin: EP0161490A2] Crystalline molecular sieves having three-dimensional microporous framework structures of $MnO_{2\cdot}$, $AlO_{2\cdot}$, SiO_z and $PO_{2\cdot}$ tetrahedral oxide units are disclosed. These molecular sieves have an empirical chemical composition on an anhydrous basis expressed by the formula: wherein "R" represents at least one organic templating agent present in the intracrystalline pore system; "m" represents the molar amount of "R" present per mole of $(Mn_w Al_x P_y Si_z)O_2$; and "w", "x", "y" and "z" represent the mole fractions of manganese, aluminum, phosphorous and silicon, respectively, present as tetrahedral oxides. Their use as adsorbents, catalysts, etc. is also disclosed.

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